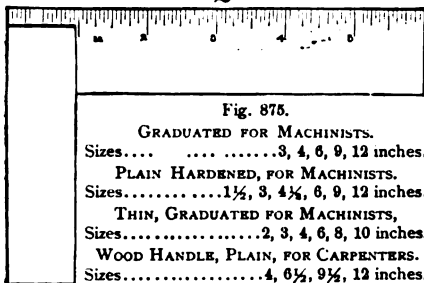
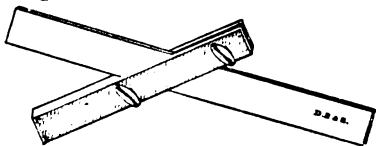


## STEEL SQUARES.



HARDENED CAST STEEL

## T Square and Universal Bevel.



## Steel Caliper Rules.

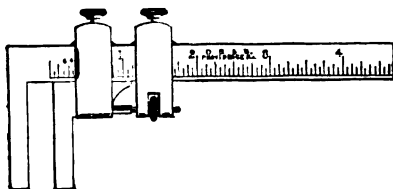


These Rules are divided in four ways. A, divided on outside like cut, on slide to 32ds and 64ths. B, divided on outside like cut, on slide to 64ths and 100ths. C, divided on outside to 8ths, 16ths, 32ds and 64ths; on slide to 32ds and 64ths. D, divided on outside to 8ths, 16ths, 32ds and 64ths; on slide to 64ths and 100ths.

Length of Rule.....3 inches.

Length Calipered.....2½ inches.

## CALIPER SQUARES.



One side divided to 64ths, the other to 100ths of inches.

Sizes.....2, 4, and 9 inches.

With or without Adjusting Screw.

## STEEL RULES.

GRADUATED AS DESIRED.

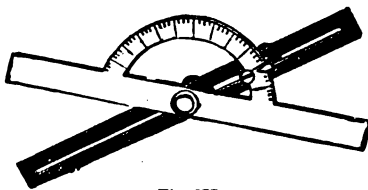
Sizes.....1, 2, 3, 4, 6, 9, 12, 18, 24, 36, 48 inches.

## Steel Straight Edges.

LENGTH.	WIDTH.	THICKNESS.
6 inch.....	1 inch.....	1-10 inch.....
9 inch.....	1½ inch.....	1-10 inch.....
12 inch.....	1½ inch.....	1-10 inch.....
18 inch.....	1½ inch.....	1 inch.....
24 inch.....	2 inch.....	1 inch.....
36 inch.....	2½ inch.....	1 inch.....
48 inch.....	3 inch.....	1 inch.....

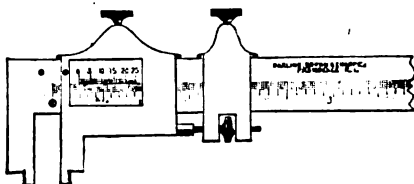
## BEVEL PROTRACTOR

WITH SLIDING ARM, AND HALF CIRCLE DIVIDED TO DEGREES.



Length of Sliding Arm.....6 and 10 inches.

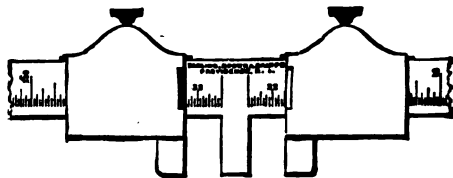
## Improved Vernier Caliper..



Sizes.....6, 12, 24 inches.

Graduated to 64ths of inches, or to 20ths of millimetres.

## DOUBLE CALIPERS.



Length.....7½ and 12 inches.

Will Caliper.....3½x4½, 3½x1½ inches.

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WIRE GAUGE AND CALIPER.

KEY SEAT RULE.

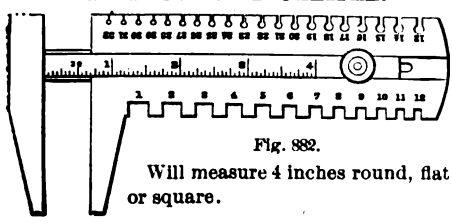


Fig. 882.  
Will measure 4 inches round, flat or square.

Fig. 883.

Pocket Screw and Wire Gauge.

Large Screw and Wire Gauge.

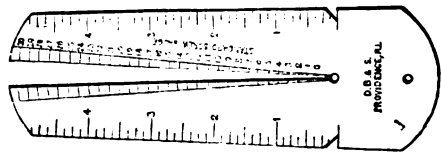
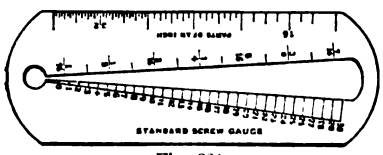
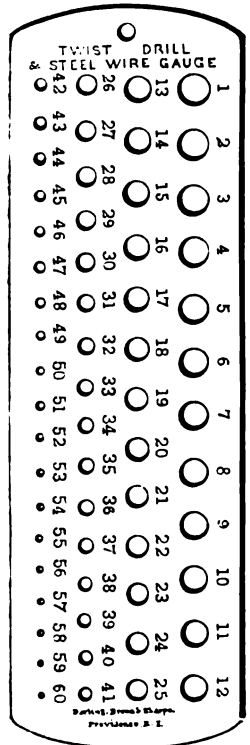


Fig. 884.  
Cut one-half size.

Fig. 885.  
Cut one-third size.

TWIST DRILL AND STEEL WIRE GAUGE.

FOR GAUGING MORSE TWIST DRILLS AND STUBS' DRAWN STEEL WIRE.



DIMENSIONS  
OF  
SIZES OF GAUGE,  
In decimal parts of an inch.

No.	Size of Number in Decimals.	No.	Size of Number in Decimals.
1	.227	31	.120
2	.219	32	.115
3	.212	33	.112
4	.207	34	.110
5	.204	35	.108
6	.201	36	.106
7	.199	37	.103
8	.197	38	.101
9	.194	39	.099
10	.191	40	.097
11	.188	41	.095
12	.185	42	.092
13	.183	43	.088
14	.180	44	.085
15	.178	45	.081
16	.175	46	.079
17	.172	47	.077
18	.168	48	.075
19	.164	49	.072
20	.161	50	.069
21	.157	51	.066
22	.155	52	.063
23	.153	53	.058
24	.151	54	.055
25	.148	55	.050
26	.146	56	.045
27	.143	57	.042
28	.139	58	.041
29	.134	59	.040
30	.127	60	.039

NUT AND WASHER GAUGE.  
For Measuring Diameter and Thickness, also holes of nuts and washers.  
ONE-THIRD SIZE.

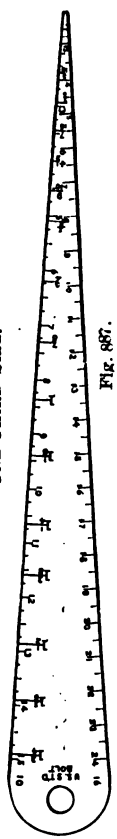


Fig. 887.

The figures upon one edge are for 16ths and 32ds, and on the other for 10ths and 20ths of inches. Also U. S. Standard sizes for holes to tap for bolts. Opposite side is graduated the same as a steel rule to 32ds of inches.

Fig. 886.

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SHEET METAL GAUGE.

(ONE-THIRD SIZE.)

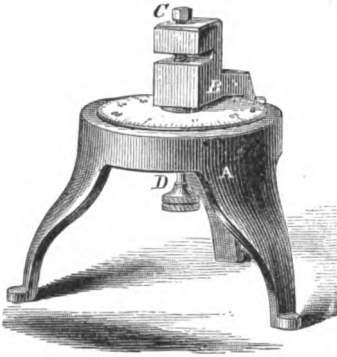


Fig. 888.

THE ENGLISH STANDARD WIRE GAUGE.

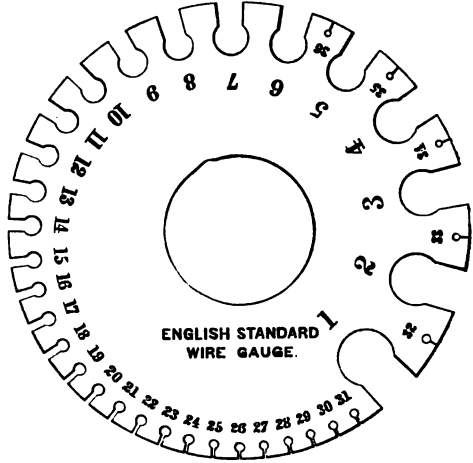


Fig. 890. (TWO-THIRDS SIZE.)

POCKET SHEET METAL GAUGE.

(FULL SIZE.)

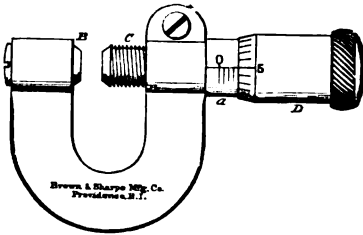


Fig. 889.

SIZES OF THE NUMBERS OF ENGLISH STANDARD WIRE GAUGE.

No. of Wire Gauge.	Size of each No. in dec. parts of an inch.	No. of Wire Gauge.	Size of each No. in dec. parts of an inch.	No. of Wire Gauge.	Size of each No. in dec. parts of an inch.
0000	.454	11	.120	25	.020
000	.425	12	.109	26	.018
00	.380	13	.095	27	.016
0	.340	14	.088	28	.014
1	.300	15	.072	29	.012
2	.284	16	.065	30	.012
3	.250	17	.058	31	.010
4	.238	18	.049	32	.009
5	.220	19	.042	33	.008
6	.203	20	.035	34	.007
7	.180	21	.032	35	.005
8	.165	22	.028	36	.004
9	.148	23	.025		
10	.134	24	.022		

STANDARD SCREW THREAD GAUGE.

(FULL SIZE.)

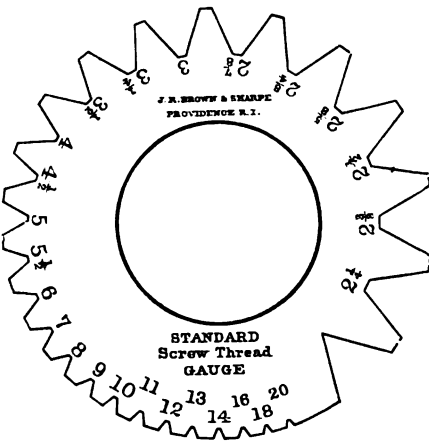


Fig. 891.

THE AMERICAN STAND'D WIRE GAUGE.

Adopted by the Brass Manufacturers, Jan., 1858.

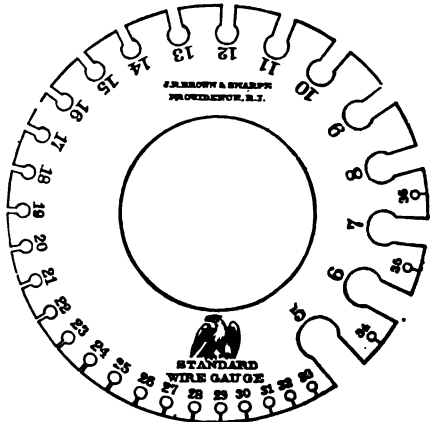


Fig. 892. (FULL SIZE.)

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# SCREW PITCH GAUGE.

FOR 16 PITCHES.—FULL SIZE.

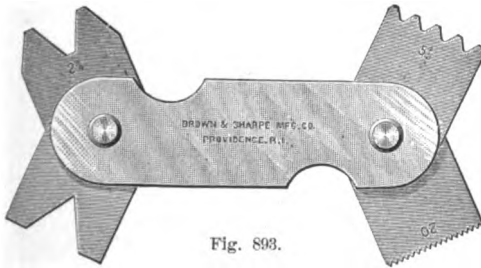


Fig. 893.



Fig. 894.

# Plumb Bobs.

Bronze, with screw cap and steel point.

Bronze, without screw cap.

Iron, without screw cap.

Weight about 8 oz.

# MICROMETER CALIPER

FOR MACHINISTS.

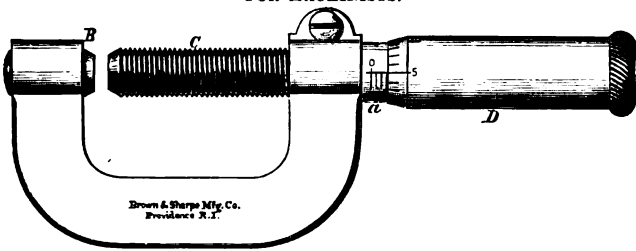


Fig. 895.

For sizes less than 1 inch. Graduated to one-thousandth of an inch.

# STANDARD CALIPER GAUGES.

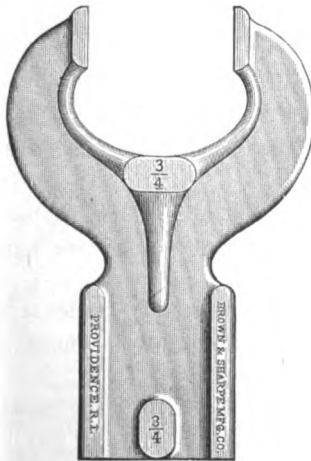


Fig. 896.

Hardened and ground. For both inside and outside calipering.

Sizes .....  $\frac{1}{4}$  to  $2\frac{1}{2}$  inches.

# STANDARD CYLINDRICAL GAUGES.

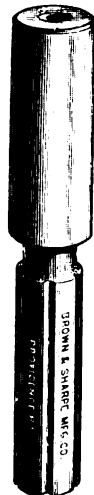


Fig. 897.

INTERNAL.

EXTERNAL.

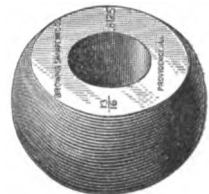


Fig. 897.

Sizes, 1-16 to 2 in.

Each set is arranged in a box, and contains sizes from one-sixteenth to two inches, varying by sixteenths of inches. Special sizes made to order.

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